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TITLE: HYDRAULIC RUSH ADJUSTER

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INVENTOR-INFORMATION:

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NITTAN VALVE KK	N/A

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ABSTRACT:

PURPOSE: To improve the durability of hydraulic rush adjuster to be applied in a dynamic valve device for an internal combustion engine by a method wherein a check ball valve is made of ceramic.

CONSTITUTION: When the poor seating of a valve is apt to be generated under a generation of such force as compressing the dynamic valve at the cam base circle due to the vibration of the cam base circle or the flexing of a cam shaft, a check ball 7 is flowed in response to a variation in oil pressure difference acted upon both sides of the check ball 7, the valve seat 3a is properly opened or closed, so that the poor seating of the ball valve is prevented. Since the check ball 7 is of ceramic, its specific weight is low as compared to that of the steel check ball, and the check ball 7 can be moved in accordance with the slight flow of the oil. Thus, a durability of the valve may be improved.

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